

NPIC/TSSG/RED-1923-69  
12 November 1969

MEMORANDUM FOR THE RECORD

SUBJECT: R&D Impact of a New Acquisition System

1. Acquisition System Characteristics with Direct Exploitation R&D Impact

- a. Resolution on film
- b. Film Size
  - (1) Width
  - (2) Format length
- c. Film Volume per unit time
  - (1) Reproduction
  - (2) Handling
  - (3) Storageroll length
- d. Stereo Overlap System
- e. PG related data system

2. Acquisition System Characteristics with Indirect Exploitation R&D Impact (through implicit changes in exploitation operations).

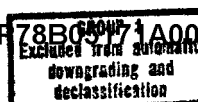
- a. Ground Resolution
- b. Operational Objective - Search and/or Surveillance
- c. Scheduling

3. Exploitation R&D Program - Direct Response

- a. Operations Analysis
  - (1) search procedure
  - (2) chip system indication
- b. 1540 Film Viewing System
  - (1) light table
  - (2) (Zoom 240) not financed by gov't
  - (3) Mod II Rhomboid
- c. High Precision Stereo Comparator
- d. Automatic Target Indexing System (Cloud Screener)
- e. Data Block Reader (PG)
- f. Automated Information Handling
  - (1) Collateral Data
  - (2) Report Compilation
  - (3) Report Editing & Publication
- g. Automated Stereo Scanner

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**4. Exploitation R&D Program - Indirect Response**

- a. Chip System Analysis
- b. P.I. Scan and Search Station (Coupled RPV and Microstereoscope)
- c. Wide Field High Power Anamorphic Stereo Viewer
- d. Digitized Measuring Light Table
- e. Twin Stage On-Line P.I.
- f. P.I. Duping & Enlarging

Special Assistant for Plans & Applications, RED  
TSSG

**Distribution:**

Original - Rt & File

15 - EXRAND

1 - TSSG/EXRAND

2 - TSSG/RED

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25X1

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